

**WHAT IS CLAIMED IS:**

1. A code division multiple access (CDMA) terminal for providing a CDMA service in a CDMA service area, comprising:

a subscriber identity module (SIM) cardholder for installing or  
 5 uninstalling a SIM card of a global system for mobile communications (GSM) service subscriber, wherein when a SIM card of a GSM service subscriber is installed in the SIM cardholder in the CDMA service area, specific data are transmitted using a CDMA message in the case of authenticating the GSM service subscriber using information on the GSM service subscriber stored in  
 10 the SIM card, and when the authentication of the GSM service subscriber is normally completed, the CDMA terminal is used for the GSM service subscriber as a roaming service terminal in the CDMA service area.

2. The CDMA terminal of claim 1, wherein the CDMA terminal comprises:

15 a wireless signal transmitter for transmitting and receiving wireless signals;

a mobile station modem (MSM) connected to the wireless signal transmitter, for controlling the CDMA terminal;

a SIM interface for communicating data between the MSM and the  
 20 SIM cardholder;

a speaker for outputting speech data output by the MSM to a CDMA terminal user in a speech format;

a microphone for converting the speech input by the CDMA terminal user into speech data, and outputting them to the MSM;

a liquid crystal display (LCD) connected to the MSM, for displaying information to the CDMA terminal user;

5 a key input unit for receiving a key input of the CDMA terminal user, and transmitting it to the MSM; and

a memory connected to the MSM, for storing various data.

3. The CDMA terminal of claim 2, wherein the MSM comprises:

a modem for demodulating signals output by the wireless signal  
10 transmitter according to the CDMA protocol, modulating the signals according to the CDMA protocol, and outputting them to the wireless signal transmitter;

a de-interleaver and decoder for de-interleaving and decoding the signals output by the modem;

15 a speech signal processor for performing speech processing on the signals output by the de-interleaver and decoder, outputting them to the speaker as digital speech data, performing signal processing on the speech data input by the microphone, and outputting them;

an interleaver and encoder for interleaving and encoding the  
20 signals output by the speech signal processor; and

a controller for controlling the modem, the de-interleaver and decoder, the speech signal processor, the interleaver and encoder, the LCD,

the key input unit, and the memory.

4. The CDMA terminal of claim 2, wherein the wireless signal transmitter comprises:

a duplexer for transmitting and receiving wireless signals through  
5 an antenna, and assigning a path of the transmitted and received signals;

a wireless receiver for performing signal processing on the wireless signals transmitted by the duplexer, and outputting them to the MSM; and

a wireless transmitter for performing signal processing on the  
10 wireless signals output by the MSM, and outputting them to the duplexer.

5. A code division multiple access (CDMA) terminal comprising: a cardholder for installing and uninstalling a user identity module (UIM) of a CDMA service subscriber; and a card interface for detecting whether a UIM card is installed in the cardholder, wherein when the card interface detects  
15 that the UIM card of the CDMA service subscriber is installed in the cardholder in the CDMA service area, the CDMA service subscriber can use the CDMA service, and the cardholder can install or uninstall the SIM card of the GSM service subscriber, and the card interface can detect whether the SIM card is installed in the cardholder, and when the card interface detects  
20 that the SIM card of the GSM service subscriber is installed in the cardholder in the CDMA service area, specific data are transmitted using a CDMA message in the case of authenticating the GSM service subscriber using

information of the GSM service subscriber stored in the SIM card, and when the authentication of the GSM service subscriber is normally completed, the CDMA terminal operates as a roaming terminal for the GSM service subscriber in the CDMA service area.

5           6. The CDMA terminal of claim 1, wherein the CDMA terminal comprises:

          a wireless signal transmitter for transmitting and receiving wireless signals;

          a mobile station modem (MSM) connected to the wireless signal  
10 transmitter and the card interface, for controlling the CDMA terminal;

          a speaker for outputting speech data output by the MSM to a CDMA terminal user in a speech format;

          a microphone for converting the speech input by the CDMA terminal user into speech data, and outputting them to the MSM;

15           a liquid crystal display (LCD) connected to the MSM, for displaying information to the CDMA terminal user;

          a key input unit for receiving a key input of the CDMA terminal user, and transmitting it to the MSM; and

          a memory connected to the MSM, for storing various data.

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